

ZODROW, K.

PAWELKIEWICZ, Jerzy; ZODROW, Karol

Synthesis of cobalamines by *Corynebacterium diphtheriae*. Acta microb.  
polon. 6 no.3:219-231 1957.

1. Z Katedry Biochemii i z Katedry Mikrobiologii Rolnej WSR w Poznaniu,  
(*CORYNEBACTERIUM DIPHTHERIAE*, metabolism,  
vitamin B<sub>12</sub> synthesis (Pol))  
(VITAMIN B<sub>12</sub>, metabolism,  
*Corynebacterium diphtheriae*, synthesis (Pol))

ZODROW, K.  
DUDI, J.; PEDZIWILK, Z.; ZODROW, K.

Studies on the appearance of vitamin B12 in leguminous plants.  
Acta microb. polon. 6 no.3:233-236 1957.

I. Z Katedry Mikrobiologii Rolnej Wyższej Szkoły Rolniczej w Poznaniu.

(VITAMIN B12, metabolism,  
leguminous plants (Pol))

(PLANTS, metabolism,  
leguminous, vitamin B12 (Pol))

POLAND / Microbiology. General Microbiology. Physiol- F+1  
ogy.and Biochemistry.

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71945.

Author : Pawelkiewicz, J., Zodrow, K.

Inst : Not given.

Title : Investigation of the Biosynthesis of Cobalamines.  
2. Mechanism of the Formation of Cobalamines by  
Corynebacterium Diphtheriae.

Orig Pub: Acta biochem. polon., 1957, 4, No 3, 203-210.

Abstract: Results are presented of the quantitative de-  
termination of four cobalamines divided by ion-  
tophoresis and formed by C. diphtheriae. The  
first products of biosynthesis are non-nucleo-  
tide, iontophoretically neutral cobalamines  
which represent fraction I. All cobalamines of

Card 1/2

ZODROW, K. V.

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7  
J

1528\* Spectrophotometric Method of Determining Vitamin B<sub>1</sub> in Cultures of Microorganisms. I. Budzik, J. Porek, S. Stawicki, and R. Zodrow. *Przemysl Chemiczny*, v. 32, no. III, Oct. 1953, p. 309-311.

Modification of Budzik and Taylor method of determining vitamin B<sub>1</sub> in microbiological material has been worked out. Graphs, table, 7 ref.

ZODROW, K.

Analytical Abst.  
May 1954  
Biochemistry

III. Spectrophotometric method for the determination of vitamin B<sub>12</sub> in microbiological cultures. J. Janicki, J. Pawlakiewicz, E. Staschuk and K. Zodrow (Prace. Clev., 1913, 82 [10], 609-611).—  
A modification to this method which is a modification of Rudkin and Taylor's procedure (Brit. Abstr. C 1932, 503), the dil. vitamin solution, obtained by extraction of the microbiological culture with benzyl alcohol, is washed with water and extracted from this with acetone after saturation with (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>. The vitamin B<sub>12</sub> is obtained in concentrated form by evaporation of the acetone under reduced pressure. The vitamin content is determined by comparing the extinction at 588 m $\mu$  of the diglycinate complex with that of a standard vitamin soya. The extinction coeff. established was  $E_{588}^{1\%} = 68.2$ . The deviation from the Rudkin-Taylor extinction coeff.,  $E_{588}^{1\%} = 46$  at 582 m $\mu$ , is attributed to use of different optical solvents. The spectrophotometric method (reproducibility: 10 per cent.) can be applied to all microbiological preparations. Fair agreement was established with results of microbiological tests with *Lactobacillus* (var. *acidophilus*).

H. BURSTEIN

ZODROW, Karol; ZODROW, Halina

Studies on the effect of 5,6-dimethylbenzimidazole on the biosynthesis of corrinoids by propionibacteria. Acta microbiol. polon. 12 no.1: 61-68 '63.

1. From the Department of Agricultural Microbiology of the Academy of Agriculture and from the Department of Food Chemistry of the Medical Academy, Poznan, Poland.

(PROPIONIBACTERIUM) (IMIDAZOLES) (VITAMIN B 12)

BERGMAN, S.I.; ZODUN, I.M.

From the practice of conducting clinical pathoanatomical conferences. Vrach. delo no.6:114-117 Je'63. (MIR 16:9)

1. Mikachevskaya gorodskaya bol'nitsa.  
(ANATOMY, PATHOLOGICAL)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5

ZODYEV, V.

Fluurograffia Kak Metod Vyjavleniya Serdechnosudistykh Zabolevaniy Pri Gruppovykh Issledovaniakh (Fluorography as a Method for Determining Cardiac-Vascular Disorders) (Paper Edition)

86 p. 40¢

SO: Four Continent Book List, April 1954

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5"

HUNGARY / Physical Chemistry. Crystals.

B-5

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 26276.

Author : Zoellei, M.

Inst : Not given.

Title : A Chemical Sensitization Procedure for Sintered CdS Layers.

Orig Pub: Acta Phys et Chem Szeged, 3, No 1-4, 21-26 (1957)  
(in German).

**Abstract:** A procedure for the sensitization of CdS layers by treatment with halogens is described. An aqueous suspension or colloidal dispersion of CdS to which a small amount of NH<sub>4</sub>Cl, NH<sub>4</sub>Br, or NH<sub>4</sub>I has been added is deposited on a glass plate. After drying at 60-80° the specimens are subjected to heat treatment at 500-600° during which, in the opinion

Card 1/2

10

HUNGARY / Physical Chemistry. Crystals.

B-5

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R002065320017-5  
Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 26276.

**Abstract:** of the author, the halogen enters the CdS lattice and sensitizes the CdS. The photosensitivity of the Cl-containing CdS layers is 2-4 times greater than that of Br- or I-treated layers. The CdS coatings prepared by the above method possess great mechanical strength. -- M. Shapochnik.

Card 2/2

HUNGARY / Physical Chemistry. Crystals.

B-5

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 26276.

Author : Zoellei, M.

Inst : Not given.

Title : A Chemical Sensitization Procedure for Sintered CdS Layers.

Orig Pub: Acta Phys et Chem Szeged, 3, No 1-4, 21-26 (1957)  
(in German).

**Abstract:** A procedure for the sensitization of CdS layers by treatment with halogens is described. An aqueous suspension or colloidal dispersion of CdS to which a small amount of NH<sub>4</sub>Cl, NH<sub>4</sub>Br, or NH<sub>4</sub>I has been added is deposited on a glass plate. After drying at 60-80° the specimens are subjected to heat treatment at 500-600° during which, in the opinion

Card 1/2

10

HUNGARY/Chemical Technology. Chemical Products and Their Applications. Pharmaceuticals. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28571.

Author : Zoellnerne, I. E. and Vastagh, G.  
Inst :

Title : The Photometric Determination of Sulfamides.

Orig Pub: Acta Pharm Hung, 27, No 3, 108-112 (1957) (in Hungarian  
with a German summary)

Abstract: The amount of solution corresponding to 0.05-0.3 mg of the substance to be determined is calculated and the sample is diazotized in the usual way, the excess  $\text{HNO}_2$  is removed with urea, thymol is added in alkaline medium, and the very stable orange-yellow solutions obtained, the color of which is not sensitive to small

Card : 1/3

213

HUNGARY/Chemical Technology. Chemical Products and Their Applications. Pharmaceuticals. Vitamins.  
Antibiotics.

II

Abs Jour: Ref zhur-khim., No 8, 1959, 28571.

changes in alkalinity, are analyzed colorimetrically. In addition to the determination of pure substances, the method can also be used in the analysis of the above-mentioned compounds in various preparations. Thus, sulfanilaride, sulfaguanidine, sulfamidedimethylpyrimidine, as well as the antidiabetic sulfonylbutylcarbamide have been determined and calibration curves for these compounds are included. The method can be applied to the analysis of sulfonylbutylcarbamide which exhibits antidiabetic action but cannot be used in the determination of sulfathiocarbamide because the thiourea residue in the latter

Card : 2/3

HUNGARY/Chemical Technology. Chemical Products and Their  
Applications. Pharmaceuticals. Vitamins.  
Antibiotics.

II

Abs Jour: Ref Zhur-Khim., No. 8, 1959, 28571.

interferes with the diazotization. -- Yu. Vendel'  
Shteyn.

Card : 3/3

214

HUNGARY/Chemical Technology. Chemical Products and their Applications. Pharmaceuticals. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28571.

Author : Zecellnerme, I. E. and Vastagh, G.

Inst :

Title : The Photometric Determination of Sulfanides.

Orig Pub: Acta Pharm Hung, 27, No 3, 108-112 (1957) (in Hungarian with a German summary)

Abstract: The amount of solution corresponding to 0.05-0.3 mg of the substance to be determined is calculated and the sample is diazotized in the usual way, the excess  $\text{HNO}_2$  is removed with urea, thymol is added in alkaline medium, and the very stable orange-yellow solutions obtained, the color of which is not sensitive to small

Card : 1/3

213

RUNG.RY/Chemical Technology. Chemical Products and Their Applications. Pharmaceuticals. Vitamins. Antibiotics.

Abs Jour: Ref zhur-khim., No 8, 1959, 28571.

changes in alkalinity, are analyzed colorimetrically. In addition to the determination of pure substances, the method can also be used in the analysis of the above-mentioned compounds in various preparations. Thus, sulfanilamide, sulfaguanidine, sulfanilamidomethylpyrimidine, as well as the antidiabetic sulfonylbutylcarbamide have been determined and calibration curves for these compounds are included. The method can be applied to the analysis of sulfonylbutylcarbamide which exhibits antidiabetic action but cannot be used in the determination of sulfathiocarbamide because the thiourea residue in the latter

Card : 2/3

From Annotated Bibliography  
on the Use of Organo-lithium  
Compounds in Organic Synthesis.  
January, 1948

Gilman, Henry, Zollinger, E. A., Selby, W. H., and Boatner, Charles  
High yields of new organolithium and organoaluminum compounds.  
Recueil des travaux chimiques  
Ms. 584-94 (1935)

Lithium alkyls were prepared in ether from the alkyl chlorides in the following yields: methylolithium, 69%;  $\alpha$ -propyllithium, 67.9%; isopropyllithium, 20%; and  $\alpha\beta$ -butyllithium, 60%. 2-Iodoethiodibutyl ether gave with lithium an 84% yield of 2-thienyllithium. In some experiments where the iodide did not react with lithium, it reacted readily with magnesium. 2-Thienyllithium can be prepared by metathesis of thiophene. 2,3-Dimethyl-3-furyllithium was prepared from the corresponding iodide in ether. Acid titration indicated a yield of 69.2%, but no acid was obtained from carbonation of the product and the high titration value may be due to scission of the furan ring. Yields obtained in the preparation of an extensive series of Grignard reagents are recorded.

KIM TSE PENG; ZOELLNER, W.

Pion production at low energies. Dubna, Ob"edinennyi in-t  
iadernykh issel. 1962. 12 p.  
(No subject heading)

ZOENINA, K.S.

Excretion of dysentery bacteriophage by mouse kidneys in experimental dysentery infection. Biul. eksp. biol. i med. 56 no.9:84-88 S '63.  
(MIRA 17:10)

1. Iz Instituta epidemiologii i gigiyeny (dir. - dotsent N.A. Nemshilova, konsul'tant - chlen-korrespondent AMN SSSR A.D. Ado), Kazan'. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

ZOEV, S.

Results from resettlement of the red deer in the District of Plovdiv.

p. 169 (Gorsko Stopanstvo) Vol. 13, No. 4, April 1957. Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC; Vol. 7, No. 1, Jan. 1958

BF

Radio electrodes for welding carbonizing plastic  
[Lederhaut, 1951, 17, 97-101, 112-117, 126-129; G. Zoethout  
Ind., 1952, 17, 71].—The development of coated electrodes is  
reviewed and the reasons for using a basic electrode are explained.  
The gas contents and structures of weld metal from Ferromagnetic,  
gas-shielded and basic electrodes are compared, and the mechanical  
properties of basic welding rods discussed.

R. D. CLARK

COUNTRY	: CZECHOSLOVAKIA	R
CATEGORY	: Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae	
ABS. JOUR.	: RZhBiol., №13, 1958, №. 59762	
AUTHOR	: Zofijevsky, V.	
INST.	: -	
TITLE	: An Instructive Case of Unsuccessful Vaccination and Treatment of Swine with Antiplague Serum in Poland	
ORIG. PUB.	: Veterinarstvi, 1957, 7, No 71, 96-197	
ABSTRACT	: No abstract	

Card:

1/1

R - 26

ZOFKA, J.

STICH, Z., MAREK, A., PEROUTKY, J., HAZUROVA, J., WALLSNEFELD, V.,  
ZOFKA, J., STRATISKY, J., VALEK, I.

Socialisation of medicine in Czechoslovakia. *Zdravot.* rev.  
25:6, June 50. p. 165-6

CLML 19, 5, Nov., 1950

ZOFKA, J.

Control of fulfilling the plan and statistical control of planning in  
the field of health services. Cesk. nemoc. 18 no. 6:124-130 Aug 1950.

(CLML 23:2)

l. Prague.

ZOFKA, J.

Indications for administration of penicillin; instruction, Cesk.  
nemoc. 18 no.7-9:163-166 Sept-Nov 1950. (CIML 23:2)

1. Circular of the Ministry of Health.

ZOFKA, J.

Public health plant in 1950, its systematics, area and main objects.  
Ceak. námoc. 18 no.2:37-41. Feb 51. (CIML 20:8)

ZOKA, J.

Medical legislation (21 December, 1950, ch. 170 Sb.) and its principal aspects. Cesk. nemoc. 19 no.1-2:13-23 Jan-Feb 1951. (CIML 23:2)

ZOVKA, Jiri, JUDr.

Method of public health planning. Česk. zdravot. 4 no.9:  
524-527 Sept 56.

1. Ministerstvo zdravotnicki-planovaci odbor.  
(PUBLIC HEALTH,  
in Czch., planning (Cz))

ZOFKA, Jiri, JUDr.

Standards and basic principles of public health planning.  
Cesk. zdravot. 5 no.4:221-231 Apr 57.

1. Ministerstvo zdravotnictvi, planovaci odbor.  
(PUBLIC HEALTH  
planning, basic principles (Cs))

ZOFKA, J.

Standards, a basic instrument in planning public health.

P. 221 (Ministry of Health, Research Institute for Organization of Health Service)  
Vol. 5, No. 4, Apr. 1957.

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11 November 1957.

*Zafra Jiří  
ZOFKA, Jiří MUDr.*

Increased importance of long-term and 5-year plans and preparations  
for comprehensive review of the concepts of public health up to the  
year 1957. Česk. zdravot. 6 no.2:85-89 Mar 58.

1. Ministerstvo zdravotnictví - planovací odbor.  
(PUBLIC HEALTH,  
in Czech., importance of long-term planning (Cz))

ZOJKA, Jiri, MUDr.

Preparing of the outlines of the Third Five-Year Plan of the Development  
of the Health Services in Czechoslovakia. Cesk. zdravot. 7 no.2:65-73  
Mar 59.

1. Ministerstvo zdravotnictvi--Planovaci odbor.  
(PUBLIC HEALTH  
health serv. develop. in Czech (Cz))

ZOFKA, J., dr.

Apropos of the uneven distribution of cadres of health workers.  
Use of careful planning for the gradual improvement of the present  
condition. Cesk. zdrav. 12 no.7/8:391-396 Ag '64.

1. Planovaci odbor ministerstva zdravotnictvi.

ZOG, I.G.

Thorough utilization of Gomphocarpus fruticosus (L.) R.Br.  
Bot.shur. 43 no.11:1620-1627 N '58. (MIRA 11:11)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsev-  
ticheskiy institut.  
(Gomphocarpus)

GODLEWSKI, J.; ZOGALA, E.

Effect of isonicotinic acid hydrazide on the hemopoietic system in children. Polski tygod. lek. 8 no.17:636-638 27 Apr 1953. (CIML 24:5)

1. Of Wroclaw Municipal Pediatric Hospital (Head-Surgeon--Jozef Godlewski, M.D.).

GODLEWSKI, J.; ZOGALA, E.

Hematologic changes in lipoid nephrosis in children, Polski tygod. lek.  
8 no.22:780-783 1 June 1953. (CIML 25:1)

1. Of Wroclaw Municipal Pediatric Hospital (Head---Jozef Godlewski, M.D.).

GODLEWSKI, Jozef; ZOGALA, Emilia

Biopsy of the bone marrow in dysthrepsy in infants. Pediat.  
polska 30 no.6:543-546 Je '55.

1. Z Miejskiego Specj. Szpit. Dziecięcego im. J. Korczaka we  
Wrocławiu. Ordynator: dr med. J. Godlewski. Wrocław, Berenta 37.

(INFANT NUTRITION DISORDERS,

athrepsy, bone marrow biopsy in)

(BONE MARROW, in various diseases,

athrepsy, biopsy)

(BIOPSY,

bone marrow, in athrepsy)

GODLWESKI, Jozef; ZOGALA, Emilia; KORMOBIS, Krystyna.

Bone marrow in anemias of infectious origin in infants. Polski  
tygod.lek. 10 no.33:1084-1087 15 Aug '55.

1. Z Miejskiego Specjalistycznego Szpitala Dziecięcego im.  
J. Korszaka we Wrocławiu; ordynator: dr med. J. Godlewski.  
Wrocław, Miejski Szpital Dziecięcy im. J. Korszaka.

(ANEMIA, in infant and child,  
bone marrow in anemias of infect.origin)  
(BONE MARROW, in various diseases,  
anemias of infect. origin in inf.)

GODLEWSKI, Jozef; ZOGALA, Emilia; STRACZEK, Irena

Modifications of the hemopoietic system in tuberculous encephalitis  
and in tuberculous meningitis in children. Gruzlica 22 no.4:255-  
265 Ap '54.

1. Z Miejskiego Szpitala Dziecięcego we Wrocławiu. Ordynator: dr  
meu. J. Godlewski.

(TUBERCULOSIS, MENINGEAL, in infant and child,  
\*physiol., hemopoietic system)

(TUBERCULOSIS,

\*brain, in child., hemopoietic changes)

(BRAIN, DISEASES,

\*tuberc. in child., hemopoietic changes)

(HEMOPoietIC SYSTEM, in various diseases,

\*tuberc., meningeal & encephalic, in child.)

ZOGALA, JAN

Distr: 4B3d

Reactivation of sulfidic arsenic-containing catalysts for  
high-pressure hydrogenation of liquid fuels. Jan Zogala  
and František Čir. Czech. 91,408, Aug. 16, 1959. Extg.  
deactivated WS<sub>2</sub>-NiS catalysts contg. S 0.7, As 4.4, and  
C 3.7% with steam, drying the material above 93° in a  
nonoxidizing atm., grinding, pressing, and exposing the  
tablets to gases contg. CO<sub>2</sub> 12.5, H<sub>2</sub>S 12.5, and H 75%  
for 10 hrs. at 450° gives a product with S 8.6, As 2.4, and  
C 3.5% and comparable in activity to fresh catalyst.

L. J. Urchamit

8  
Yf211

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L. J. Urchamit

ZOCOREVSKIY, V.A. --

"A Study of the Dual Reaction Capacity of the Metal Derivatives of Keto-Enol and Related Systems." Cand Chem Sci, Moscow Order of Lenin State U imeni M.V. Lomonosov, 3 Nov 54. (VM, 21 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

117-880-102-27011  
PERIODIC AND PROPERTY TEST

26

5

RAPID DETERMINATION OF VANADIUM IN STEEL WITHOUT DAMAGE TO THE SPECIMEN. L. P. Adamovich and A. Ya. Zogoryukko. (Zavodskaya Laboratoriya, 1940, No. 4, pp. 465-466). (In Russian). In this method of making vanadium determinations the test solution is obtained by placing a few drops of a mixture of sulphuric and nitric acids on a cleaned and degreased portion of the surface of the specimen and transferring the solution obtained after 1-2 min. into a very small crucible. The solution is then boiled with nitric acid, treated with a slight excess of potassium permanganate solution, and the excess of the latter being destroyed by adding potassium nitrite, and

a small amount of urea is finally added. A drop of this solution is then placed on filter paper which has been soaked in a solution of anilino hydrochloride and dried. The appearance of a blue spot indicates the presence of vanadium in the specimen. The use of phenyl-anthraquinone paper gives better sensitivity, but the use of nitric acid when preparing the test solution must then be avoided.

## APPENDIX METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	SEARCHED AND SERIALIZED	INDEXED	FILED
SEARCHED	SEARCHED AND SERIALIZED	INDEXED	FILED

ZOGOT, TS.I.; TSERETELI, TS.I.

Radioactivity of rocks and waters in the Akhaltsikhe brown coal  
deposit. Trudy Inst. geofiz. AN Gruz. SSR 19:193-195 '60.  
(MIRA 14:9)  
(Akhalsikhe region--Radioactive prospecting)

ZOGOV, M.

Advantages of asbestos cement for joints of cast water pipes.

p. 48  
Vol. 5, no. 1/2, Mar. 1955  
VODNI HOSPODARSTVI  
Praha

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3  
March 1956

1. 21-19-66

EPF(�)/EPF(ɔ)/EPF(ɛ)/EPF(ɪ)/EPF(ə)/EPF(ʊ)

I

JP(a) JD/BH/JG/MB

19. 1996. 10. 16. 10042. 10042.

1. The following is a list of the most common types of software used in business.

10. The following table shows the number of hours worked by 1000 employees in a company. Calculate the mean, median, mode, and range.

the same time, the increased temperature which, for increased  
activity, is required by the body, will be supplied.

二〇〇九

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5

L 2449-66

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5"

TODOROVIC, Vladimir, major dr.; ZOGOVIC, Branko, dr.

Personal experiences with refrigeration anesthesia. Voj. san. progj.,  
Beogr. 11 no.11-12:565-570 Nov-Dec 54.

1. Hirurska klinika VMA, B. IV. hirurska klinika VMS.  
(ANESTHESIA, REGIONAL  
refrigeration, indic.)

L 1166-66  
ACCESSION NR: AP5025450

TU/0015/64/000/010/0339/0241

AUTHOR: BUKUROV, Stanislav (Professor, Doctor); ZOGOVIC, Branko (Chief doctor)

Title: Report of the 1st meeting of the Yugoslav Surgeons' Association

DATE: May 1964 (last decade, 1960s, 1970s)

TYPE OF PAGE: surgery, medical conference

ABSTRACT: Very comprehensive report on this 4-day meeting held in May 1964, listing over a dozen papers presented by Yugoslav, Soviet, Polish, Italian, French and German surgeons on various topics of surgery.

4. CITATIONS: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NR REF Sov: 000  
Card 1/1

OTHER: 000

JPMIS

STEPANYAN, L.A., red.; ARUTYUNIAN, A.B., red.; BAGDASARYAN, A.B., prof., doktor geogr. nauk, glav. nauchnyy red.; DAVTYAN, G.S., red.; MARTIROSYAN, G.M., red.; MARUKHYAN, A.O., red.; MKRTOGHYAN, S.S., red.; URUSOV, V.V., red.; SHAKHBAZYAN, M.S., red.; ALIAKHKVERDYAN, G.O., kand. ekonom. nauk zam glav. nauchnogo red.; ARUTYUNIAN, N.Kh., akademik, red.; VALESYAN, L.A., kand. geogr. nauk, red.; DUL'YAN, S.M., kand. geogr. nauk, red.; YEREMYAN, S.T., red.; ZOGRABYAN, L.N., kand. geogr. nauk, red.; KOCHARYAN, G.A., prof., red.; POGUSYAN, Kh.P., prof., doktor geogr. nauk, red.; RUTKOVSKAYA, M.S., starshiy red.; SAVELO, A.F., tekhn. red.; YAROSHEVICH, K.Ye., tekhn. red.

[Atlas of the Armenian Soviet Socialist Republic] Atlas Armianskoi Sovetskoi Sotsialisticheskoi Respublikii. Erevan, Akad. nauk Armianskoi SSR; glav. upr. geodez. i kartografii MG i ON SSSR, 1961. 111 p. (MIRA 15:2)

1. Minskaya kartograficheskaya fabrika Glavnogo upravleniya geodezii i kartografii Ministerstva geologii i okhrany nedor SSSR (for Urusov).
2. Akademiya nauk Armyanskoy SSR (for Arutyunyan). 3. Chlen-korrespondent AN Armyanskoy SSR (for Yeremyan).

(Armenia--Maps)

MKRTCHYAN, S.S., akademik, glav. red.; VARDANYANTS, L.A., red.;  
GABRIYELYAN, A.A., red.; MAGAK'YAN, I.G., akademik, red.;  
PAFFENCOL'TS, K.N., akademik, red.; DUMITRASHKO, N.V.,  
doktor geogr. nauk, otv. red.; BAGDASARYAN, A.G., doktor  
geogr. nauk, red.; BAL'YAN, S.P., kand. geogr. nauk, red.;  
ZOGRABIAN, L.N., kand. geogr. nauk KHACHATRIAN, E.A., red.  
izd-va; KAPLANYAN, M.A., tekhn. red.

[Geology of the Armenian S.S.R.] Geologiia Armainskoi SSR.  
Glav.red.S.S.Mkrchian (glav.red.) i dr. Erevan, Izd-vo  
AN Armainskoi SSR. Vol.1. [Geomorphology] Geomorfologiia.  
1962. 430 p. map. (MIRA 15:10)

1. Akademiya nauk Armyanskoy SSR, Erevan. Institut geolo-  
gicheskikh nauk. 2. Akademiya nauk Armyanskoy SSR (for  
Mkrtchyan, Magak'yan, Paffengol'ts). 3. Chlen-korrespondent  
Akademii nauk Armyanskoy SSR (for Vardanyants, Gabriyelyan).  
(Armenia—Geomorphology)

ZOGRARYAN, S.A.; MKRTCHYAN, Sv.S.; SAGATELYAN, E.A.

New data on the location of red barite in the Akhtala complex in tal  
deposit. Dokl. AN Arm. SSR 39 no.5:283-286 '64 (MIRA 18:2)

1. Institut geologicheskikh nauk AN ArmSSR. Submitted April 2, 1964.

ZOGRABYAN, S.A.

Structural factors in the localization of mineralization in the  
Akhtala complex ore deposit. Dckl. AN Arm. SSR 40 no.1:49-52 '65.  
(MIRA 18:7)

1. Institut geologicheskikh nauk AN ArmSSR. Submitted May 26,  
1964.

ZOGRABYAN, S.A.; MKRTCHYAN, Sv.S.

Age of disjunctive dislocations in the Akhtala deposit. Izv. AN  
Arm. SSR. Nauki o zem. 17 no.3/4:21-28 '64. (MIRA 17:11)

1. Institut geologicheskikh nauk AN Armyanskoy SSR.

ZOG/AS/ML/11

Uelite mineralization in the Skhalia complex metal deposit.  
(MERA 18:11)  
Lom., AK Arm. SER #1 no.2:105-131-165.

Submitted January 4, 1955.

ZOGRABYAN, S. G.

2/4/05 ZOGRABYAN, S. G.. K plastike perifericheskikh nervov. Sbornik nauch. Trudov (Yerevansk. Nauch.-issled. Inst. ortopedii i vosstanovit. Khirurgii), 1, 1949, s. 22-31.

SO: Letopis, No. 32, 1949.

ZOGRABYAN, S. G.

24406 ZOGRABYAN, S. G. Sistemi "Zhushchaniye" pri travmaticheskikh porazheniyakh cherepa. Sbornik nauch. Trudov (Yervanch. nauch.-tekhn. i nauch.-tekhn. i vosstanovit. Khirurgii), 1, 1949, s. 32-36.

SO: Letopis, No. 32, 1949.

ZOGRABYAN, S.G.

Nervous System

Ideas regarding "nervism" in Russian medicine. Arkhiv pat., 15, No. 1, 1952. Kand. Med. Nauk.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.<sup>2</sup>

ZOGRABYAN, S.G.; SHEVTSOV, D.G., redaktor; KIRSANOV, N.A., tekhnicheskiy  
redaktor.

[Sessions, conferences, and meetings of the Academy of Medical Sciences of the U.S.S.R. dedicated to contemporary problems of Soviet medicine, 1950-1952] Sessii, konferentsii i stasodaniiia Akademii meditsinskikh nauk SSSR, posviashchennye tvercheskomu obshushdeniu aktual'nykh problem sovetskoi meditsiny, 1950-1952 gg. Moskva, Izd-vo Akademii meditsinskikh nauk SSSR, 1953. 151 p. (MLRA 7:11)

1. Akademiya meditsinskikh nauk SSSR, Moscow.  
(Academy of Medical Sciences of the U.S.S.R.) (Medicine)

ZOGRABIAN, S.G.

"Surgical treatment for sequelae of gunshot wounds in the lateral ventricles of the brain." T.G.Khandrikova, Reviewed by S.G.Zograbian.  
Vop. neirokhir. 18 no.3:61-63 My-Je '54. (MLRA 7:8)  
(BRAIN--SURGERY)

ZOGRABYAN, S.G.

Syndrome of the sphenoid fissure, Zhur. nevr. i psich. 54 no.8:  
664-665 Ag '54. (MIR 7:9)

(SPHENOID BONE, diseases,  
synd. of sphenoid fissure, traum.)

ZOGRABYAN, Suren Gegamovich; ARBATSKAYA, Yu.D., redaktor; GLUKHOYEDOVA, G.A., tekhnicheskiy redaktor

[Diagnostic surgery in diseases of the brain and spinal cord]  
Diagnosticheskie operatsii pri zabolеваниих головного и спинного мозга. Москва, Гос.изд-во мед. лит-ры, 1955. 195 p.

(MLRA 9:2)

(BRAIN--SURGERY) (SPINAL CORD--SURGERY)

ZOGRAZBYAN, S. G.  
USSR/Medicine - Disturbances in motor functions

FD-1775

Card 1/1 Pub 122-7/9

Author : Zograbyan, S. G., Docent

Title : Review of the book "Narusheniya dvigatel'nykh funktsiy pri sosudistykh porazheniyakh golovnogo mozga" (Disturbances in motor functions when vascular disorders of the brain are present) by N. K. Bogolepov. Published by Nedgiz, Moscow, 1953, 400 pages

Periodical : Vest. AMN SSSR, 1, 58-60, Jan/Mar 1955

Abstract : Here is a book containing systematic discussion of symptomatology and pathophysiology of disturbances in motor functions taking place when vascular disease of the brain is present. The reviewer states that the value of this book lies in the fact that its author, N. K. Bogolepov, made a study of large number of works of Soviet authors and bases his conclusions on 4,500 clinical and 1,000 anatomical observations. This made it possible for N. K. Bogolepov to express a number of original theories on pathogenesis of motor disturbances and to formulate the regularity with which disturbances in motor functions occur. The book is of great theoretical and practical value and is useful as a handbook for neuropathologists, pathophysiologists, and specialists in other fields of medicine. The book is well illustrated; a long list of references.

Institution: --

Submitted : --

ZOGRABYAN, S.G.; SHNOL', S.E.

Studies on the distribution of veronal in the central nervous system  
using tagged atoms. Zhur.nevr. i psich. 56 no.8:654-658 '56.  
(MLRA 9:11)

1. Kafedra neyrokhirurgii (zav. - prof. A.A.Arendt) i meditsinskoy  
radiologii (zav. - prof. V.K.Modestov) TSentral'nogo instituta  
usovershenstvovaniya vrachey, Moskva.

(BARBITURATES, metabolism,  
barbital in CNS, radiocarbon labeled (Rus))  
(CENTRAL NERVOUS SYSTEM, metabolism,  
barbital, radiocarbon labeled (Rus))

Translation M-3.053.141

ZOGRABYAN, S.G.

ZOGRABYAN, S.G.

Diagnosis of hypotensive syndrome in cerebral trauma [with summary in French]. Zhur.nevr. i psikh. 57 no.5:605-609 '57. (MIRA 10:8)

1. Kafedra neyrokhirurgii (zav. prof. A.A.Arendt) Tsentral'nogo instituta usovershenstvovaniya vrachay, Moskva  
(BRAIN, wounds and injuries,  
causing hypotensive synd. (Rus))  
(CEREBROSPINAL FLUID,  
hypotension, caused by brain inj. (Rus))

ZOGRABYAN, S. G.

List of expected participants, 8th International Cancer Congress, Moscow,  
22-26 July 1962 includes:

ZOGRABYAN S. G. (3239)	ЗОГРАБЯН С. Г. научный советник г. Ереван	Мед. проблемы
------------------------	---	------------------

80: List of Participants, Uchol, Moscow, 1962

VARTAPETYAN, P.A.; MURADYAN, G.T.; TOROSYAN, S.A.

Precordial pains of extracardial origin. Sov. med. 28 no. 7:104-106  
Jl '64. (MIRA 18:8)

1. Klinika fakul'tetskoy terapii (zav. - prof. T.S. Mnatsakanov),  
klinika nevrologii i neyrokhirurgii (zav. - prof. S.G. Zograbyan)  
i klinika nervnykh bolezney (zav. - prof. G.I. Merzoyan) Yerevanskogo  
meditsinskogo instituta.

The Academy of Sciences of the USSR announced the names of the following candidates for corresponding member:

Department of Physiology:

GURFINKEL', Viktor Semenovich, Doctor of Medical Sciences,  
DEMIKHOV, Vladimir Petrovich, Doctor of Biological Sciences,  
~~ZOGABYAN~~, Suren Gegamovich, Doctor of Medical Sciences,  
professor,  
KOGAN, Aleksandr Borisovich, Doctor of Biological Sciences,  
professor,  
KOROBKOV, Anatoliy Vital'yevich, Doctor of Medical Sciences,  
professor,  
KOSTYUK, Platon Grigor'yevich, Corresponding Member of the  
Acad Sci of the Ukrainian SSR,  
KRUSHINSKIY, Leonid Viktorovich, Doctor of Biological Sciences,  
professor,  
LIBERMAN, Yefim Arsent'yevich, Doctor of Biological Sciences,  
LICHKO, Andrey Yevgen'yevich, Doctor of Medical Sciences,  
NEFEDOV, Yuriy Gerasimovich, Doctor of Medical Sciences,  
professor,

Izvestiya, 14 Jun 66, p 3, col 1

10

ZOGRABYAN, S.G.

Late results of brain tumors.Zhur. eksp. i klin. med. 3 no.1:  
11-17'63.  
(MIR 16:10)

1. Kafedra nerologii i neyrokhirurgii Yerevanskogo meditsinskogo instituta.  
(BRAIN -- WOUNDS AND INJURIES)

RAZDOL'SKIY, Ivan Yakovlevich, professor, zasluzhennyj deyatel' nauki;  
ZOGRABYAN, S.G., redaktor; SACHEVA, A.I., tekhnicheskij redaktor.

[Brain tumors: clinical aspects and diagnosis] Opukholi golovnogo moz-  
ga; klinika i diagnostika opukholei golovnogo morga. Moskva, Gos. izd-  
vo meditsinskoi lit-ry, 1954. 282 p.  
(MIRA 7:12)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Razdol'-  
skiy).

(Brain--Tumors)

ZOGRABYAN, S. G. Doc Med Sci -- (diss) "Problems of the Pathogenesis  
and <sup>Complex</sup> ~~Multilateral~~ Therapy of the Cranial-Cerebral Trauma During  
the Acute Period (Experimental-Clinical Study)." Mos, 1957.  
<sup>(with illustrations)</sup>  
31 pp, 21 cm. (Min. of Health USSR, Central Inst for the Advanced  
Training of Physicians), 200 copies (KL, 17-57, 99)

- 58 -

ZOGRABYAN, S.G.

ARENDT, A.A., prof., otvetstvennyy red.; OGNEV, B.V., prof.; ZOGRABYAN,  
S.G., dotsent; METAL'NIKOVA, N.N., doktor med.nauk.

[Problems of neurosurgery] Problemy neirokhirurgii. Pod red.  
A.A.Arendta i dr. Moskva, 1957. 154 p. (MIRA 11:1)

1. Moscow. Tsentral'nyy institut usovershenstvovaniya vrachey.
2. Chlen-korrespondent AMN SSSR (for Ognev).  
(NERVOUS SYSTEM--SURGERY)

ZOGRABYAN, S.G. (Moskva)

Comments on English neurology and neurosurgery. Zhur.nevr. i  
psich. 58 no.10:1277-1280 '58 (MIRA 11:11)

(NEUROLOGY,  
in Gt.Brit. (Rus))  
(NEUROSURGERY,  
same (Rus))

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5

MOVITSKIY, P.V.; NOVOPASHENNY, G.N.; ZOGRAF, I.A.; OSADCHIY, Ye.P.

Amplifiers used for measurements and equipped with semiconductor triodes. Poluprov.prib. i ikh prim. no.3:196-208 '58.  
(MIRA 12:4)  
(Transistor amplifiers)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5"

ACCESSION NR: AP4033597

S/0119/64/000/004/0008/0008

AUTHOR: Zograf, I. A. (Engineer); Knorring, V. G. (Engineer);  
Kondrashkova, G. A. (Engineer); Maly\*gina, N. V. (Engineer)

TITLE: Method for measuring infralow-frequency currents and voltages

SOURCE: Priborostroyeniye, no. 4, 1964, 8

TOPIC TAGS: infralow frequency, infralow frequency current, infralow  
frequency voltage, infralow frequency measurement, fraction cps measurement

ABSTRACT: The existing methods of infralow-frequency measurement are based  
on high-inertia instruments with a resulting slow reaction. A new principle of  
measurement is suggested in which a differential frequency converter develops  
two frequencies  $f_1$  and  $f_2$  in two oscillators (block diagram supplied). Both  
frequencies are fed into a balanced modulator with a low-pass filter; the latter  
yields the difference frequency  $f_1 - f_2$ . This frequency is zero at no measurand;

Card 1/2

ACCESSION NR: AP4033597

with a measurand applied, this frequency is independent of the polarity of the current and is proportional to its instantaneous value. The number of periods of the difference frequency per one period of the measurand is directly proportional to its mean value and inversely proportional to its frequency. The following advantages of the new method are claimed: (1) Short time of measurement equal to one period of the measurand; (2) Digital reading; (3) Invariable reading during one period; (4) Higher accuracy. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 00

ATD PRESS: 3058

ENCL: 00

SUB CODE: EC

NO REF SOV: 005

OTHER: 000

Card

2/2

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5

ZOGRAF, I. A.; KNORRING, V. G.; KONDRAŠKOVA, G. A.; MALÝGINA, N. V.

Method for measuring currents and voltages of subsonic frequencies. Priborostroenie no. 4:8 Ap '64. (MIRA 17:5)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5"

GAVRILOV, V.Yu.; ZOGRAF, Yu.N.

Characteristics of the biochemical code. Usp. fiz. nauk '77  
no.4:597-620 Ag '62. (MIRA 15:8)  
(Biochemistry)

ZOGRAFKI, Str.; NIKHTIANOV, Khr.; DASHEV, G.

Successful surgery of a case of pheochromocytoma. Khirurgia  
(Sofiia) 16 no.10:959-961 '63.

1. Iz katedrite po bolnichna khirurgiiia i po endokrinologiiia  
i bolesti na obmianata pri ISUL, Sofiia.

ZOCRAFOV, D.

Prognostic importance of the changes in the peripheral blood  
during an acute radiation sickness and in case of an acute hemorrhage.  
Doklady BAN 17 no.3:303-306 '64.

1. Predstavleno akademikom D.Orakhovats.

ZOGRAFOV, D.

On changes in the peripheral blood and their diagnostic significance  
in occupational radiation injuries. II. Morphological changes.  
Suvrem med., Sofia no.10:12-20 '60.

1. Katedrata po rentgenologii i radiologii pri ISUL (Rukov. na  
katedrata prof. G.Tenchev.  
(RADIATION INJURY blood)  
(OCCUPATIONAL DISEASES)

TENCHOV, G.; SAKHATCHIEV, A.; ZOGRANOV, D.; MITROV, G.; KANEVA, Ia.

Occupational ionizing radiation injuries in medical personnel in Bulgaria. Suvrem. med., Sofin 10 no.1:37-44 1959.

I. Iz Katedrata no pentgenologija i radiologija pri MSUL (Zav. Katedrata: prof. G. Tenchov).

(RADIATIONS, inj. eff.  
in med. personnel (Bul))

(OCCUPATIONAL DISEASES,  
radiation inj. in med. personnel (Bul))

BULGARIA

G. KHADZHIDEKOV, G. MITROV and D. G. ZOGRAFOV [Affiliation not given.]

"Medical Examination of Persons Occupationally Exposed to Ionizing Radiation."

Sofia, Rentgenologiya i Radiologiya, Vol. 2, No 2, Apr-Jun 63; pp 9-14.

Abstract [English summary modified]: Data on 154 persons (139 medical radiology personnel, 15 mining) exposed to radiation for 2 to 30 years and seen 1958-1962: of 50 in which some form and degree of radiation disease was diagnosed, 39 were considered severe enough to require change of working assignment. The 39 included 6 with radiation dermatitis as only symptom and 4 with mixed skin and systemic signs; 3 with hematologic changes only. Comprehensive data. One Bulgarian unpublished, 1 Hungarian, 9 Western and 11 Soviet references.

1/1

## Radiology

BULGARIA

ZOGRADOV, D., BAEV, I., and KESLEV, D., Institute of Radiology and Radiation  
Hygiene (Institut po radiologiya i radiatsionna khigiena) (Dozent I. Nikolov,  
Director)

"Intraperitoneal Administration of a Bone Marrow Suspension in Acute  
Radiation Sickness"

Sofia, Rentgenologiya i Radiologiya, Vol 5, No 1, 1966, pp 32-40

Abstract: On irradiation of rats with X-rays in a dose LD<sub>97.5</sub>, intra-peritoneal administration of homologous bone marrow was less effective (35% survival) than intravenous injection (65% survival). Study of the peripheral blood, bone marrow, and inclusion of Fe<sup>59</sup> in erythrocytes indicated that there was no significant difference in the regeneration of hemopoiesis between animals treated by the two methods. On transplantation by intraperitoneal injection of rat bone marrow to irradiated mice, granulocytes containing alkaline phosphatase (i.e., rat granulocytes) were not found in the bone marrow of the mice. This indicated that donor elements were not implanted in the bone marrow of recipient animals after intraperitoneal introduction. The rapid regeneration after intraperitoneal administration of bone marrow is explained by humoral stimulation, while the high therapeutic effect on intravenous administration is ascribed to development of donor cells in the bone marrow of recipient animals. The

ZOGRAFOV, D. G.

Peripheral blood following single irradiation in the condition of acute blood loss. Acta med. acad. sci. Hung. 18 no.1:27-33 '62.

1. Iz radiobiologicheskogo otdeleniya nauchno-issledovatel'skogo onkologicheskogo instituta (Dir.: prof. V. Mikhailov)  
Sofia, Bulgaria.

(RADIATION INJURY blood)  
(BLOOD CELLS radiation eff)  
(HEMORRHAGE exper)

27.2400. ZOGRAFOV, D.G.

41814  
G/020/62/008/004/001/001  
1026/1246

AUTHORS: Zographov, D.G. and Bnov, I.A.

TITLE: The influence of the protection by N-Phenylamidin of Thiophene-2-carbonic acid on myeloid changes in the case of acute radiation sickness

PERIODICAL: Acta biologica et medica germanica, v.8, no.4, 1962, 337-343

TEXT: White male rats were irradiated with 650 r, 5 min after administration of 5 mg/100g of a 1% solution of N-phenylamidine of thiophene-2-carbonic acid (PTC) in acetic acid. Controls were rats that were either only irradiated, or rats that received only PTC. 1, 3, 5, 10, 15, and 30 days after irradiation the rats were anaesthetized, about 1000 cells of bone marrow were removed from their tibias and examined in smear preparations. The mitotic index in PTC-protected animals was significantly higher than in irradiated controls. There were more immature granulocytes and erythroblasts in the protected rats one day after irradiation but there was no difference in lymphocytes or megakaryocytes. These findings indicate that radiation damage is smaller, and that there is a quicker recovery of all types of cells except lymphocytes in rats protected by PTC. X

Card 1/2

The influence of...

G/020/62/008/004/001/001  
I026/1246

ASSOCIATION: Der Radiobiologischer Abteilung des Onkologischen Forschungsinstituts, Sofia/Bulgarien (Direktor: Prof. W. Michailow)  
(Department of Radiobiology of the Oncological Research Institute, Sofia, Bulgaria [Directed by Prof. W. Michailow])

SUBMITTED: July 11, 1961

Card 2/2

ZOGRAFOV, D.; IVANOV, E.

Diagnosis of multiple myeloma and report of three cases of gamma-plasmacytoma. Suvrem. med., Sofia 8 no.11:126-134 1957.

1. Iz Nauchnoizsledovatelskia onkologichen institut--Sofiiia (Direktor:  
Prof. Ves. Mikhailov).

(MYELOMA, PLASMA CELL, case reports,  
gamma-plasmacytoma (Bul))

ZOGRAFOV, D.

SURNAME, Given Names

Country: Bulgaria

Academic Degrees: not given

Affiliation: not given

Source: Sofia, Khigiena, Vol IV, No 5, Sep/Oct 1961, pp 31-43

Datas "Protection against Radiation through Amidin Compounds."

Authors:

NIKOLOV, Iv.

BAEV, Il.

ZOGRAFOV, D.

TODOROV, Sv.

ROBEV, St.

670 58140

MIKHAILOV, V., Prof.; ZOGRAFOV, D.

Diagnostic value of carbohydrate metabolism disorder in carcinoma of the gastrointestinal tract. Suvrem. med., Sofia 9 no.2:77-61 Feb 58.

1. Iz Nauchnoissledovatelskii onkologichen institut (Direktor: prof. V. Mikhailov).

(GASTROINTESTINAL SYSTEM, neoplasms  
diag. value of carbohydrate metab. disord. (Bul))

(CARBOHYDRATES, metab.  
disord., diag. value in gastrointestinal system cancer (Bul))

TENCHOV, G.; SAKHATCHIEV, Z.; ZOGRADOV, D.

Some changes in peripheral blood during total-body irradiation of white mice with a lethal dose of x-ray. Suvrem. med., Sofia 9 no.3:52-59 1958.

1. Iz Rentgenoviaia institut pri USUL--Sofiiia (Direktor: prof. G. Tenchov)  
(ROENTGEN RAES, effects,  
total body, on peripheral blood in mice (Bul))  
(BLOOD, eff. of radiations on  
x-ray total body irradiation of mice (Bul))

ZOGRAFOV, D.

Hematological changes in medullary metastases of malignant tumors.  
Svrem med., Sofia no.11:33-40 '60.

1. From the Scientific Research Oncologic Institute (Director Prof.  
V.Mikhailov)  
(BONE MARROW neopl)  
(BLOOD CELLS)

ZOGRAFOV, D.; BAEV, II.

Peripheral blood changes in acute radiation sickness in white rats protected with N-phenylamidine and thiophene-2-carboxylic acid.  
Khirurgiia(Sofia) 14 no.12:1109-1112 '61.

1. Institut za spetsializatsiya i usuvurshenstvuvane na lekarite - Sofia, katedra po rentgenologiya i radiologiya. Zav. katedrata: prof. G. Tenchov [deceased]

(RADIATION PROTECTION exper)  
(THIOPHENES pharmacol)  
(AMIDINES pharmacol)  
(BLOOD CELLS radiation eff)

MIKHAILOV, Vse., prof.; ZOGRAFOV, D.

Carbohydrate regulation disorders in carcinoma of the gastrointestinal tract. Izv. inst. klin. obsht. med. 4:365-374 '60.

(GASTROINTESTINAL SYSTEM neopl) (BLOOD SUGAR)

ZOGRAFOV, D.

The prognostic significance of changes in the peripheral blood  
in acute radiation sickness under conditions of acute hemor-  
rhage. Dokl. Bolg. akad. nauk 17 no.1:303-306 '64

1. Predstavleno akademikom D.Orakhovats.

ZOGRAFOV, D.G.

Diagnostic significance of peripheral blood changes in occupational  
radiation injuries. Med.rad. no.10:27-32 '61. (MIRA 14:10)

1. Iz kafedry rentgenologii i radiologii Instituta spetsiali-  
zatsii i usovershenstvovaniya vrachey (Sofiya, Bolgariya).  
(RADIATION SICKNESS) (BLOOD)

ZOGRAFOV, D.G.

Hematological changes during radiotherapy of breast cancer. Suvrem  
med., Sofia no.12:55-62 '60.

1. Iz Nauchno-izsledovatelskia onkologichen institut (Direktor prof  
Ves.Mikhailov)  
(BREAST NEOPLASMS radiother)  
(BLOOD CELLS radiother eff)

38395  
H/503/62/018/001/001/001  
D296/D307

27.2400

AUTHOR:

TITLE:

SOURCE:

Zografov, D.G.

Changes in peripheral blood after a single exposure to  
radiation combined with acute blood loss

Academia scientiarum Hungaricae. Acta medica, v. 18,  
no. 1, 1962, Budapest, 27 - 33

TEXT: The present study was undertaken (a) since acute hemorrhage is likely to be one of the most frequent complications occurring simultaneously with radiation injury and besides (b) to decide whether patients, who suffered acute hemorrhages can safely be given radiotherapy, and (c) because the relevant literature data are of contradictory character. 80 male guinea pigs were exposed to X-rays at a distance of 50 cm; 1) 10 were bled from the jugular vein, causing a loss of 25 % of the total blood; 2) 30 were irradiated 30 min. after the bleeding and 4) 20 were irradiated on the 3rd day after the bleeding, i.e. when the stimulating effect of the blood loss upon hematopoiesis was at its peak. The red cell, reticulocyte, neutrophile, lymphocyte and platelet Card 1/3.

H/503/62/01B/001/001  
D296/D307

Changes in peripheral blood after a ...

counts were checked daily up to the 5th day and then every second day until the 30th day. Whereas in the 1st group the red cell count is gradually restored to the original level, it shows a steep fall in animals irradiated after the hemorrhage, a fall which is less marked in the 4th group. The regeneration is slowest in the 3rd group. The reticulocytes disappeared completely in the 2nd group (radiation only), but persisted, even in the aplastic period, in the 3rd and 4th groups (hemorrhage and radiation). Preliminary blood loss exerts therefore a protective effect against radiation as in the hyperplastic bone marrow a greater number of erythroblasts appears to survive. The preliminary stimulation of hematopoiesis seems to counteract the usual suppression of blood cell proliferation by radiation. This compensation is, however, not complete, as shown by the further fall in the red cell count after radiation. The fact that the protective effect is more marked in the 4th group supports the view that this effect is based upon the stimulation of the hematopoietic apparatus where stimulation is known to reach its peak on the third day. The restoration of reticulocytes, neutrophiles and platelets is more rapid after combined blood loss and irradiation than after irradiation only. This also applies to later

Card 2/3

Changes in peripheral blood after a ...

H/503/62/018/001/C01/001  
D296/D307

periods when the primary stimulation caused by the hemorrhage must have subsided. Hence the existence is postulated of an indirect stimulating mechanism consisting, for example, of the formation and accumulation of hematopoietic substances in the blood following acute hemorrhage. There are 5 figures. f

ASSOCIATION: Radiobiologicheskoye otdeleniye nauchno-issledovatel'skogo onkologicheskogo instituta (Professor V. Mikhaylov, Direktor) (Department of Radiobiology, Oncological Scientific Research Institute (Director, Professor V. Mikhaylov) Sofia, Bulgaria)

SUBMITTED: March 1, 1961

Card 3/3

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5

ZOGRAFOV, D.G.

Therapeutic use of hemopoietic tissues. Suvr. med. 16 no. 4,  
224-232 '65.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320017-5"

DIMITROV, D.; GENOV, Iv.; JORDANOV, I.; DAVIDOV, S.; NOLEV, L., inzh.;  
ZOGRAFOV, Iv., inzh.

Preliminary data on experimental studies on extracorporeal circulation with our apparatus. Khirurgiia 15 no.9/10:895-899 '62.

1. Iz Katedrata po propedevtika na khirurgichnite zabolavaniia  
pri VMI [Vissh meditsinski institut] - Sofia.  
(HEART MECHANICAL)